

On-site measurements

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General
description

The
Architectural Technology Laboratory of the AUTH has special equipment for the measurement of
the noise level outdoors, in accordance with the
requirements of the standard

DIN 45642:2004-06 Ά Ά Messung von Verkehrsgeräuschen

and of the European
Directives

2002/49/Ά Έ Evaluation and management of environmental noise

2000/14/Ά Έ Noise emission in the environment from equipment for outdoors use

For the realisation
of these measurements it is essential to check
the conditions that prevail at the point of measurement
in order to ascertain that the requirements of the relative standards and
directives are met. The outdoors
measurements are not included in the
accreditation field of the Laboratory.

The outdoors
measurements which are realised by the Laboratory concern particularly:

Traffic noise level
measurement

Level measurement of
environmental noise

Level measurement of equipment
noise

Spectral analysis of sound and
noise

Statistic analysis of sound and noise

The procedure of measuring traffic noise level, environmental noise, noise of outdoor
equipment, and also the spectral and statistic analysis of sound or noise is

relatively simple and does not anticipate specific technical requirements. All outdoors measurements are non-destructive.